SONY VAIO

VGN-AR320E

VAIO® AR Digital Studio™ Notebook PC

The Premier Entertainment Notebook PC.

SUMPTUOUS DESIGN

From the moment you take it out of its box, you'll notice the VAIO® AR Digital Studio™ Notebook is more than just a device, it's a showpiece. First of all, it's gorgeous. With its black exterior and sleek profile, interfaces and ports that are easily accessible yet stylishly and discreetly integrated; this beauty is the ultimate in portable entertainment performance.

MULTIMEDIA POWERHOUSE

With Windows Vista™ Home Premium, you can view your movies and photos with stunning clarity and brilliant, true-to-life color. NVIDIA® GeForce® Go 7400 notebook graphics processing unit (GPU) delivers advanced graphics performance for immersive game play. You're also ready to capture and edit 1080i HD camcorder content. A built in camera and microphone means it's conference and VoIP ready[12]. Multimedia shortcut keys at your fingertips make it easy to control your entertainment. It's the ultimate notebook PC for the A/V enthusiast.

FEATURING A STUNNING AND EXCEPTIONAL WIDESCREEN DISPLAY.

The VAIO® AR Digital Studio™ Notebook features a stunning 17" WXGA+ (1440x900) widescreen display[8] with Sony's original XBRITE™ LCD technology. It delivers deep blacks and bright whites, true-to-life color, and razor-sharp detail. And with a glare filter and anti-reflective coating to minimize reflection, you'll experience a beautifully clear image. It's the ideal way to view DVDs and play games.

MESSAGING.

Stylish design.

Intel® Centrino® Duo mobile technology using Intel® Core™ 2 Duo processor delivers outstanding dual-core mobile performance.

Enjoy outstanding video quality on a 17" widescreen[8] WXGA+ (1440x900) display featuring XBRITE™ technology.

Windows Vista™ Home Premium operating system.

HDMI™ connector provides convenient single-cable HD connectivity to your compatible HDTV or A/V receiver.

DVD±R Double Layer/DVD±RW drive[4] for enhanced storage and multimedia capabilities.

NVIDIA® GeForce® Go 7400 notebook graphics processing unit (GPU) supporting up to 335MB Total Available Graphics Memory [14].

The luxuriously designed VAIO® AR Digital Studio™ notebook PC is the ultimate performer. With a 17" WXGA+ (1440x900) display[8], HDMI™ output, Windows Vista™ Home Premium, NVIDIA® GeForce® Go 7400 graphics and Intel® Core™ 2 Duo performance, you will experience entertainment and gaming like never before.

intel Centrino Duo Core 2 Duo inside

Windows Vista Home Premium

dlna CERTIFIED

XBRITE™

like.no.other™

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VAIO® AR Digital Studio™ Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject, Play/Pause/Stop, Wireless LAN On/Off
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel®Core™ 2 Duo Processor T5500
Speed: 1.66GHz[1]
Front Side Bus Speed: 667MHz
L2 Cache: 2MB Advanced Smart Cache
Technology: Intel®Centrino®Duo Mobile Technology

Memory

Type: DDR2 SDRAM
Installed: 2GB (1GBx2) PC2-5300
Maximum: 2GB
Speed: 667MHz

Hard Drive

Capacity: 160GB[2]
Speed: 4200rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4] (DVD±R DL/DVD±RW/DVD-RAM drive)
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® and Memory Stick DUO™ media[5] with MagicGate® functionality and Secure Digital Media (SD)
One PCMCIA - Type II/Type I card slot with CardBus support
One ExpressCard™ /54 Slot

Audio

Sound System: Sony®Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA+
Screen Size: 17"[8]
Resolution: 1440x900
XBRITE™ Technology: Yes

Graphics

Processor: NVIDIA®GeForce®Go 7400 notebook graphics processing unit (GPU)
Video RAM: 335MB Total Available Graphics Memory[14]
Chipset: Intel®945PM
Interface: VGA out w/ Smart Display Sensor, HDMI™ out and S-Video out

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK®Interface: 1 (4pin) i.LINK®connector (IEEE 1394)[6]
Memory Stick®Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
Port Replicator Connector(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
S/PDIF Output(s): 1
Express Card™ Slot: 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel®PRO/Wireless 3945ABG Network Connection (802.11a/b/g)[3]

Power

Battery Type: Standard Battery (VGP-BPS2C)
Estimated Battery Life: TBD hours[7] with standard battery
Power Requirements: 150W+10%

Software

Operating System: Windows Vista™ Home Premium
Internet Services: AOL®90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft®Works 8.5
60-Day Trial Version of Microsoft®Office 2007 [13]
Sony®Original Software: Click to DVD®- DVD Creation
*Please access VAIO®Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton®Internet Security™ 2007 60-Day trial with spyware protection

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[9]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 8.4 lbs. (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS2C)
AC Adapter (VGP-AC19V15)
Power Cord

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS2C)
Large Capacity Battery (VGP-BPL2C)
Multi-Function Docking Station (VGP-PRFE1)
USB Laser Mouse (VGP-UMS55/B)
Universal Carrying Case (VGP-AMB1)
DVD R DL/DVD±RW Drive Bay[4] (VGP-DRWBX1)
CD-RW Drive Bay Unit (VGP-CRWBX1)
80GB[2] HDD Drive Bay Unit (VGP-HDBX08A)

Color: Black
UPC Code: 027242711532

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. Viewable area measured diagonally.
9. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
10. Use of this Bluetooth® enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband connection is required along with third party services which may require a subscription fee and other service fees.
13. The Microsoft® Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
14. Total Available Graphics Memory refers to the new Windows Vista™ classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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